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Proceedings

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Preface

The 26th edition of the International Workshop on Configuration (ConfWS 2024) has been co-located with the International Conference on Principles and Practice of Constraint Programming (CP 2024 celebrating its 30th anniversary) hosted by the University of Girona in Spain. ConfWS 2024 has been a vibrant hub for researchers and industry professionals interested in configuration technology. In addition, for edition 2024, Siemens supported the event confirming its sponsorship.

ConfWS 2024 was a two-day event where high-quality research in all configuration-related technical areas has been presented. This edition had a special focus on Green Configuration which is related to EU Green Deal as stated in the EU Agenda 2050 to drive the EU community to a more sustainable future. Researchers and experts from academia and industry shared their contributions on the potentials of configuration in achieving sustainability goals for a more sustainable future. The program includes special sessions on green configuration and sustainability, including topics such as sustainability and configurator applications, efficient reasoning, configuration space learning, integration of large language models (LLMs), and further aspects related to problem solving and optimization.

ConfWS 2024 has been visited by 24 attendants from academia and industry. There were 14 papers submitted for peer review to ConfWS 2024. 14 papers were selected for publication in the workshop proceedings after a review by three independent reviewers per paper. In addition, three keynote speakers were invited from three industrial partners: Patrik Östberg and Sonja Arce (from Tacton) presented the talk "Inspiring & enabling manufacturers to shape and build a sustainable future"; Sophie Rogenhofer (from Siemens) presented the talk "Sustainability at Siemens - Scaling sustainability impact"; and Jean-Guillaume Fages (from Cosling) presented the talk "Automating complex computations with Cosling Configurator".

ConfWS 2024 introduced the role of a "Publicity and Social Media Chair" on the organization committee, a role played by Irene Campo Gay (Technical University of Denmark), who was in charge of promoting the workshop on social media and managing the official workshop accounts on LinkedIn and Twitter (X). In line with previous editions, the workshop participants selected the best paper ("Exploiting Large Language Models for the Automated Generation of Constraint Satisfaction Problems") and the best student paper ("Configuration Copilot: Towards Integrating Large Language Models and Constraints").

We want to thank the ConfWS 2024 authors for their high-quality submissions, the program committee members for their high-quality reviews, and the University of Girona and the CP Workshop Chair and CP Chairs for their proactive support. Further thanks goes to SIEMENS for sponsoring ConfWS 2024, and the keynote speakers for delivering inspiring presentations. The following projects by the Spanish Ministry of Science, Innovation and Universities also supported the workshop: *TASOVA PLUS* research network (RED2022-134337-T), *IRIS* (PID2021-122812OB-I00), and *Data-pl* (PID2022-138486OB-I00).

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